

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

FRIGOLI et al

Serial No. 10/519,148

Filed: December 27, 2004

For: PHOTOCHROMIC LIQUID CRYSTALS

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Examiner:

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

## INFORMATION DISCLOSURE STATEMENT

Attention is invited to the attached copy of an International Search Report and the GB Search Report together with copies of the non-U.S. patent documents listed in them. A completed Form PTO-1449 is also attached which includes the U.S. published application patent family numbers of EP 1167487 and WO 0221523.

Official citation and consideration of all the attached documents is requested. Please return to the undersigned a copy of the attached PTO-1449 with the examiner's initials in the left column [MPEP §609] with the next communication.

I hereby certify that each item of information contained herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months from the filing date of this statement [see 37 C.F.R. § 1.97(e) (1)].

The filing of an Information Disclosure Statement shall not be construed as a representation that a search has been made, an admission that the information cited is, or is considered to be, material to patentability [37 C.F.R. § 1.97(g) & (h)] or that no other material information exists.

The Commissioner is hereby authorized to charge our Deposit Account No. 14-1140 for any fees required in connection with the filing of this Information Disclosure Statement.

Respectfully submitted,

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(Use several shedts if necessary) FILING DATE

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**U.S. PATENT DOCUMENTS** \*EXAMINER FILING DATE **CLASS** SUBCLASS IF APPROPRIATE INITIAL **DOCUMENT NUMBER** DATE NAME 6,359,150 3/2002 Fukudome et al 2002/034705 3/2002 Irie et al 2002/007072 A1 1/2002 Irie 2002/0142248 A1 10/2002 Dubois et al 5,679,792 A 10/1997 Escher et al 5,496,670 A 3/1996 Hvilsted et al **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT DATE COUNTRY CLASS **SUBCLASS** YES NO 2001 049244 A 2/2001 Japan 2/2002 DE 100 39 903 A Germany 2000 344693 A 12/2000 Japan 1 167 487 A 1/2002 EP PCT WO 02 21523 A 3/2002 ABSTRACT 09 241254 A 9/1997 Japan 6/1996 08 143564 A Japan 10 251630 A 9/1998 Japan 09 061609 A 3/1997 Japan 2002 069439 A 3/2002 Japan 3/2002 2002 082414 A Japan 2002 293784 A 10/2002 Japan 2002 309244 A 10/2002 Japan 2002 302669 A 10/2002 Japan 12/2002 WO 02 102923 A Japan ABSTRACT 3/2000 2000-87024 A Japan ABSTRACT 2000-72768 A 3/2000 Japan ABSTRACT 11-071368 A 3/1999 Japan ABSTRACT 06-049443 A 2/19994 Japan ABSTRACT OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Uchida et al, Chemistry Letters 2000, 6, pages 654-655, "An optically active diarylethene having cholesterol units: a dopant for photoswitching of liquid crystal phases".

\*Examiner Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include